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<110> MACKAY, CHARLES REAY

<120> Anti-C5aR antibodies and uses thereof

<130> RICE-032

<150> USSN 60/350,961

<151> 2002-01-25

<160> 34

<170> PatentIn version 3.1

<210> 1

<211> 350

<212> PRT

<213> Homo sapiens

<400> 1

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Lys Asp Thr Leu Asp Leu Asn Thr Pro Val Asp Lys Thr Ser Asn Thr
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Leu Arg Val Pro Asp Ile Leu Ala Leu Val Ile Phe Ala Val Val Phe
        35                  40                  45

Leu Val Gly Val Leu Gly Asn Ala Leu Val Val Trp Val Thr Ala Phe
    50                  55                  60

Glu Ala Lys Arg Thr Ile Asn Ala Ile Trp Phe Leu Asn Leu Ala Val
65                  70                  75                  80

Ala Asp Phe Leu Ser Cys Leu Ala Leu Pro Ile Leu Phe Thr Ser Ile
                85                  90                  95
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Val Gln His His His Trp Pro Phe Gly Gly Ala Ala Cys Ser Ile Leu
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Pro Ser Leu Ile Leu Leu Asn Met Tyr Ala Ser Ile Leu Leu Leu Ala
        115                 120                 125

Thr Ile Ser Ala Asp Arg Phe Leu Leu Val Phe Lys Pro Ile Trp Cys
    130                 135                 140

Gln Asn Phe Arg Gly Ala Gly Leu Ala Trp Ile Ala Cys Ala Val Ala
145                 150                 155                 160

Trp Gly Leu Ala Leu Leu Leu Thr Ile Pro Ser Phe Leu Tyr Arg Val
                165                 170                 175

Val Arg Glu Glu Tyr Phe Pro Pro Lys Val Leu Cys Gly Val Asp Tyr
            180                 185                 190

Ser His Asp Lys Arg Arg Glu Arg Ala Val Ala Ile Val Arg Leu Val
        195                 200                 205

Leu Gly Phe Leu Trp Pro Leu Leu Thr Leu Thr Ile Cys Tyr Thr Phe
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Ile Leu Leu Arg Thr Trp Ser Arg Arg Ala Thr Arg Ser Thr Lys Thr
225                 230                 235                 240

Leu Lys Val Val Val Ala Val Val Ala Ser Phe Phe Ile Phe Trp Leu
                245                 250                 255

Pro Tyr Gln Val Thr Gly Ile Met Met Ser Phe Leu Glu Pro Ser Ser
            260                 265                 270

Pro Thr Phe Leu Leu Leu Asn Lys Leu Asp Ser Leu Cys Val Ser Phe
        275                 280                 285

Ala Tyr Ile Asn Cys Cys Ile Asn Pro Ile Ile Tyr Val Val Ala Gly
    290                 295                 300

Gln Gly Phe Gln Gly Arg Leu Arg Lys Ser Leu Pro Ser Leu Leu Arg
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Asn Val Leu Thr Glu Glu Ser Val Val Arg Glu Ser Lys Ser Phe Thr
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caggtgcagc tgaagsagtc 20

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tacctgcaga agccaggcca gtctccaaag ctcctgatct acaaagtttc caaccgattt 180

tctggggtcc cagacaggtt cagtggcagt ggatcaggga cagatttcac actcaagatc 240

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<213> Mus musculus

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Asp Gln Thr Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Ile His Ser
20 25 30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
35 40 45

Pro Lys Leu Leu Ile Tyr Lys Val Ser Asn Arg Phe Ser Gly Val Pro
50 55 60

Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile
65 70 75 80

Ser Arg Val Glu Ala Glu Asp Met Gly Val Tyr Phe Cys Ser Gln Ser
85 90 95

Thr His Val Pro Pro Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
100 105 110

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<212> DNA

<213> Mus musculus

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cctggaaagg gtcttgagtg gattggacgg attgatgctg gagatggaga tactaaatac 180

aatgggaagt tcaagggcaa ggccacactg actgcagaca aatcctccag cacagcctac 240

atgcaactca gcagcctgac atctgaggac tctgcggtct acttctgtgc aagccttctc 300

attactacgg tagtgggagc tatggactac tggggtcaag gaacctcagt caccgtctcc 360

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<211> 121

<212> PRT

<213> Mus musculus

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Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ala Phe Ser Arg Ser
20 25 30

Trp Met Asn Trp Val Lys Gln Arg Pro Gly Lys Gly Leu Glu Trp Ile
35 40 45

Gly Arg Ile Asp Ala Gly Asp Gly Asp Thr Lys Tyr Asn Gly Lys Phe
50 55 60

Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser Thr Ala Tyr
65 70 75 80

Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys
85 90 95

Ala Ser Leu Leu Ile Thr Thr Val Val Gly Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Ser Val Thr Val Ser Ser
115 120

<210> 18

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<212> DNA

<213> Mus musculus

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tacctgcaga agccaggcca gtctccaaag ctcctgatct acaaagtttc caaccgattt 180

tctggggtcc cagacaggtt cagtggcagt ggatcaggga cagatttctc actcaagatc 240

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ctcacgttcg gtgctgggac caagctggaa ctgaaa 336

<210> 19

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<212> PRT

<213> Mus musculus

<400> 19

Asp Val Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Ser Leu Gly
1 5 10 15

Asn Gln Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Val His Ser
20 25 30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
35 40 45

Pro Lys Leu Leu Ile Tyr Lys Val Ser Asn Arg Phe Ser Gly Val Pro
50 55 60

Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Ser Leu Lys Ile
65 70 75 80

Ser Arg Val Glu Ala Glu Asp Leu Gly Val Tyr Phe Cys Ser Gln Ser
85 90 95

Thr Leu Val Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
100 105 110

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<212> DNA

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cctggaaagg gtcttgagtg gattggacgg atttatcctg gagatggaga tactaagtac 180

aatgggaagt tcaagggcaa ggccacactg actgcagaca aatcctccag cacagcctac 240

atgcaactca gcagcctgac atctgaggac tctgcggtct atttctgtgc aagattccta 300

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tca 363

<210> 21

<211> 121

<212> PRT

<213> Mus musculus

<400> 21

Gln Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ala Phe Ser Asn Ser
20 25 30

Trp Met Asn Trp Val Lys Gln Arg Pro Gly Lys Gly Leu Glu Trp Ile
35 40 45

Gly Arg Ile Tyr Pro Gly Asp Gly Asp Thr Lys Tyr Asn Gly Lys Phe
50 55 60

Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser Thr Ala Tyr
65 70 75 80

Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys
85 90 95

Ala Arg Phe Leu Leu Ile Ser Thr Val Thr Ala Val Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Thr Leu Thr Val Ser Ser
115 120

<210> 22

<211> 336

<212> DNA

<213> Mus musculus

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tacctgcaga agccaggcca gtctccaaag ctcctgatct acaaagtctc caaccgattt 180

tctggggtcc cagacaggtt cagtggcagt ggatcaggga cacatttcac actcaagatc 240

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ccgacgttcg gtggaggcac caagctggaa atcaaa 336

<210> 23

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<212> PRT

<213> Mus musculus

<400> 23

Asp Val Val Met Thr Gln Thr Pro Leu Ser Leu Pro Val Ser Leu Gly
1 5 10 15

Asp Gln Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Val His Ser
20 25 30

Ser Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
35 40 45

Pro Lys Leu Leu Ile Tyr Lys Val Ser Asn Arg Phe Ser Gly Val Pro
50 55 60

Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr His Phe Thr Leu Lys Ile
65 70 75 80

Ser Arg Val Glu Ala Glu Asp Leu Gly Ile Tyr Phe Cys Ser Gln Ser
85 90 95

Thr Leu Val Pro Pro Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
100 105 110

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<212> DNA

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ccaggaaagg gtctggagtg gctgggagta atatggggtg ttggaagcac aaattataat 180

tcagctctca aatccagact gagcatcagc aaggacaact ccaagagcca agttttctta 240

aaaatgaaca gtctgcaaac tgatgacgca gccatgtact actgtgccag ccactatggt 300

tacgacggtc tggggtttgc ttactggggc caagggactc tggtcactgt ctctgta 357

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<212> PRT

<213> Mus musculus

<400> 25

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Ser Leu Ser Ile Thr Cys Thr Val Ser Gly Phe Ser Leu Thr Ser Tyr
20 25 30

Gly Val Asp Trp Val Arg Gln Ser Pro Gly Lys Gly Leu Glu Trp Leu
35 40 45

Gly Val Ile Trp Gly Val Gly Ser Thr Asn Tyr Asn Ser Ala Leu Lys
50 55 60

Ser Arg Leu Ser Ile Ser Lys Asp Asn Ser Lys Ser Gln Val Phe Leu
65 70 75 80

Lys Met Asn Ser Leu Gln Thr Asp Asp Ala Ala Met Tyr Tyr Cys Ala
85 90 95

Ser His Tyr Gly Tyr Asp Gly Leu Gly Phe Ala Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Val
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<212> PRT

<213> Mus musculus

<400> 26

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<210> 27

<211> 17

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<400> 27

Arg Ile Tyr Pro Gly Asp Gly Asp Thr Lys Tyr Asn Gly Lys Phe Lys
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Gly

<210> 28

<211> 12

<212> PRT

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<400> 28

Phe Leu Leu Ile Ser Thr Val Thr Ala Val Asp Tyr
1 5 10

<210> 29

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Arg Ser Trp Met Asn
1 5

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Arg Ile Asp Ala Gly Asp Gly Asp Thr Lys Tyr Asn Gly Lys Phe Lys
1 5 10 15

Gly

<210> 31

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Leu Leu Ile Thr Thr Val Val Gly Ala Met Asp Tyr
1 5 10

<210> 32

<211> 5

<212> PRT

<213> Mus musculus

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Ser Tyr Gly Val Asp
1 5

<210> 33

<211> 16

<212> PRT

<213> Mus musculus

<400> 33

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<210> 34

<211> 11

<212> PRT

<213> Mus musculus

<400> 34

His Tyr Gly Tyr Asp Gly Leu Gly Phe Ala Tyr
1 5 10